

Clean version of all currently pending claims for this U.S. Patent Application

4. (Four Times Amended) A kit for diagnosing an autoimmune disease, the kit comprising:
- a first antigen selected from the group consisting of a polypeptide having an amino acid sequence homology of 90% or more with SEQ ID NO:1, and a fragment of said polypeptide, wherein said polypeptide or fragment thereof specifically binds with an antibody from an autoimmune disease patient;
  - a second antigen selected from the group consisting of a polypeptide having an amino acid sequence homology of 80% or more with SEQ ID NO:2, and a fragment of said polypeptide, wherein said polypeptide or fragment thereof specifically binds with an antibody from an autoimmune disease patient;
  - a first component for detecting a first antigen-antibody complex; and
  - a second component for detecting a second antigen-antibody complex; wherein the autoimmune disease is selected from the group consisting of rheumatoid arthritis, human systemic lupus erythematosus, Sjögren's syndrome, Behçet's disease, primary biliary cirrhosis, microscopic polyangitis/polyarteritis nodosa, ulcerative colitis, Crohn's disease and autoimmune hepatitis.
6. (Three times amended) The kit of claim 4, wherein:
- the polypeptide having an amino acid sequence homology of 90% or more with SEQ ID NO:1 is selected from human, bovine, porcine, or rat HMG-1; and
  - the polypeptide having an amino acid sequence homology of 80% or more with SEQ ID NO:2 is selected from human, bovine, porcine, chicken, mouse, or rat HMG-2.
14. (Twice Amended) A diagnostic drug for detecting an antibody of autoimmune diseases, wherein: the drug comprises:
- a polypeptide having an amino acid sequence homology of 90% or more with SEQ ID NO:1, or a fragment of said polypeptide, wherein said polypeptide or fragment thereof specifically binds with an antibody from an autoimmune disease patient;
  - or
  - a polypeptide having an amino acid sequence homology of 80% or more with SEQ ID NO:2, or a fragment of said polypeptide, wherein said polypeptide or fragment thereof specifically binds with an antibody from an autoimmune disease patient;

wherein the autoimmune disease is selected from the group consisting of rheumatoid arthritis, human systemic lupus erythematosus, Sjögren's syndrome, Behçet's disease, primary biliary cirrhosis, microscopic polyangitis/polyarteritis nodosa, ulcerative colitis, Crohn's disease and autoimmune hepatitis.

16. (Amended) The diagnostic drug of claim 14, wherein:  
the polypeptide having an amino acid sequence homology of 90% or more with SEQ ID NO:1 is human HMG-1, bovine HMG-1, porcine HMG-1, or rat HMG-1; and  
the polypeptide having an amino acid sequence homology of 80% or more with SEQ ID NO:2 is human HMG-2, bovine HMG-2, porcine HMG-2, chicken HMG-2, mouse HMG-2, or rat HMG-2.